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DATE MAILED: 10/10/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,311	09/28/2005	Yanzhong Dai	CN 030008	6437
24737 7	590 10/10/2006		EXAM	INER
PHILIPS INT	ELLECTUAL PROPE	PHAN, DAO LINDA		
P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			ART UNIT	PAPER NUMBER
DRIARCEIT	MANOR, NT 10510		3662	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/551,311	DAI, YANZHONG				
Office Action Summary	Examiner	Art Unit				
	Dao L. Phan	3662				
The MAILING DATE of this communication ap	opears on the cover sheet with the c	correspondence address				
Period for Reply	LV 10 OFT TO EVOIDE A MONTH	ON OR THIRTY (20) DAVO				
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (D. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 28.5	September 2005					
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-17</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-17</u> is/are rejected.						
7) Claim(s) is/are objected to.	•					
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>28 September 2005</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	ction is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the E	Examiner. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
dec the attached detailed office deticit for a lis	t of the certified copies not receive					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Delice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate				
B) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	асепт Арріісатіоп				
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The following is a quotation of the appropriate paragraphs of 35
 U.S.C. 102 that form the basis for the rejections under this section made in this
 Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Hopwood (Pat. No. 6,726,662) or Evans (Pat. No. 4,743,911).

Hopwood teaches a method and apparatus for beamforming based on broadband antenna, a base station system including a radio signal transceiving module, for receiving or transmitting radio signals; an effective antenna aperture computing module, for measuring the frequency of input signals of the antenna of the base station, and then determining the effective antenna aperture between elements of the antenna array of the base station according to the measured frequency, a weight vector computing module, for computing the weight vector of each element of the antenna array of the base station to the input signals according to the determined effective antenna aperture and the transmission function of the antenna array; a beam generating module, for multiplying the input signals with the weight vector of each element of the antenna array of the base station to the input signals, then combining them and outputting the beam signals. See fig. 1-5; col 1, line 55-col 2, line 45; col 3, line 54-col 5, line 10.

Hopwood further teaches a mobile terminal including a radio signal transceiving module, for receiving or transmitting radio signals; an effective antenna aperture computing module, for measuring the frequency of input

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signals of the antenna of the mobile terminal, and then determining the effective antenna aperture between elements of the antenna array of the mobile terminal according to the measured frequency; a weight vector computing module, for computing the weight vector of each element of the mobile terminal to the input signals according to the determined effective antenna aperture and the transmission function of the antenna array; a beam generating module, for multiplying the input signals with the weight vector of each element of the mobile terminal to the input signals, then combining them and outputting the beam signals. See fig. 1-5; col 1, line 55-col 2, line 45; col 3, line 54-col 5, line 10.

Evans teaches a method and apparatus for beamforming based on broadband antenna, a base station system including a radio signal transceiving module, for receiving or transmitting radio signals; an effective antenna aperture computing module, for measuring the frequency of input signals of the antenna of the base station, and then determining the effective antenna aperture between elements of the antenna array of the base station according to the measured frequency, a weight vector computing module, for computing the weight vector of each element of the antenna array of the base station to the input signals according to the determined effective antenna aperture and the transmission function of the antenna array; a beam generating module, for multiplying the input signals with the weight vector of each element of the antenna array of the base station to the input signals, then combining them and outputting the beam signals. See fig. 3-7; col 1, line 5-col 2, line 20; col 3, line 51-col 6, line 23.

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Evans further teaches a mobile terminal including a radio signal transceiving module, for receiving or transmitting radio signals; an effective antenna aperture computing module, for measuring the frequency of input signals of the antenna of the mobile terminal, and then determining the effective antenna aperture between elements of the antenna array of the mobile terminal according to the measured frequency; a weight vector computing module, for computing the weight vector of each element of the mobile terminal to the input signals according to the determined effective antenna aperture and the transmission function of the antenna array; a beam generating module, for multiplying the input signals with the weight vector of each element of the mobile terminal to the input signals, then combining them and outputting the beam signals. See fig. 3-7; col 1, line 5-col 2, line 20; col 3, line 51-col 6, line 23.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dao L. Phan whose telephone number is (571)272-6976. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza can be reached on (571)272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.